

The American Midland Naturalist

Founded by J. A. Nieuwland, C.S.C.

George R. Bernard,
Chairman, Editorial Committee

ASSOCIATE EDITORS

B. D. Burks, Washington, D. C.	Entomology
Aureal T. Cross, Tulsa, Oklahoma	Paleobotany
Albert L. Delisle, Sacramento, Calif.	Plant Morphology
Carroll Lane Fenton, New Brunswick, N. J.	Invertebrate Paleontology
David G. Frey, Bloomington, Indiana	Animal Ecology
Theodore L. Jahn, Los Angeles, Calif.	General Physiology
George Neville Jones, Urbana, Ill.	Plant Taxonomy
Remington Kellogg, Washington, D. C.	Mammalogy
Jean Myron Linsdale, Carmel Valley, Calif.	Ornithology
George Willard Martin, Iowa City, Iowa	Mycology
Robert W. Pennak, Boulder, Colo.	Invertebrate Zoology
Hugh M. Raup, Petersham, Mass.	Plant Ecology
Loren P. Woods, Chicago, Ill.	Ichthyology and Herpetology

Vol. 59, 1958

(January, April)

PUBLISHED BY THE UNIVERSITY OF NOTRE DAME
NOTRE DAME, INDIANA

SUBJECT INDEX

- Algae, floodplain lakes..... 82
- Ants, annotated list of Florida..... 1
- Apparatus, fish activity measurement..... 254
- Arthropods, of dog carcass community 213
- Bacteria, purple, as possible food
source in lake..... 511
- Behavior, reproductive, of darters..... 190
- Big Kandiyohi Lake (Minn.)
limnology of..... 418
- Big Lake (Ill.) limnology of..... 82
- Brachycoelium*, species of..... 69
- Brachycoelium elongatum* n. sp..... 77
- Bryophytes, phytogeography of..... 318
- Bythocypris..... 120
- Candona orangeburgensis* n. sp..... 112
- Carabidae, speciation in..... 167
- Cave beetles, speciation in..... 167
- Chalcidoidea, morphology of..... 489
- Clethrionomys gapperi*, sex ratio of..... 518
- Clevelandia ios*, racial analysis of..... 465
- Coleoptera, speciation in..... 167
- Craspedacusta sowerbii*, occurrence
of both sexes..... 525
- Cyprinotus carolinensis* n. sp..... 114
- Darters, reproductive habits of..... 190
- Dead Coon Lake (Minn.)
limnology of..... 418
- Dicrocoelidae, taxonomy of..... 67
- Distribution, *Clevelandia ios* in
Californian waters..... 465
liverworts in northern N. America 257
tulip tree in N. Y..... 397
- Dracunculus insignis*, in racoon..... 256
- Edmund Niles Huyck Preserve
(N. Y.) flora of..... 138
- Eisenia foetida*, homoeosis in..... 452
- Fat, brown, in pregnant mice..... 246
- Fauna, arthropod, of dog carcass
habitat..... 213
Illinois floodplain lakes..... 82
- Fayetteville Green Lake (N. Y.)
primary productivity in..... 511
- Fish, activity measuring apparatus..... 254
distribution of *Clevelandia ios*..... 465
geographic variations of
Fundulus notti..... 477
reproductive habits of darters..... 190
- Flora, lists of..... 138, 146, 319, 383, 438
- Formicidae, ecology of..... 1
- Fundulus notti*, geographic variations in
dispar..... 486
lineolatus..... 479
notti..... 483
- Goose Lake (Ill.) limnology of..... 82
- Grand Teton National Park, flora of 146
- Guinea worm (*D. insignis*) in racoon 256
- Hunterellus hookeri*, morphology of..... 489
- Hepaticae, phytogeography of..... 257
- Heron Lake (Minn.) limnology of..... 418
- Homoeosis, origin of,
in *Eisenia foetida*..... 452
- Hybridity of Verbenaceae..... 333
- Ichthyokinometer..... 254
- Insects, ecology of ants..... 1
parasitic in ticks..... 489
physiology of grasshopper..... 58
saprozoic..... 213
speciation in cave beetles..... 167
- Ixodiphagus texanus*, morphology of..... 489
- Key, taxonomic, to Salicaceae..... 438
- Lake, dichothermic, primary
productivity of..... 511
- Lake Shetek (Minn.) limnology of..... 418
- Lakes, limnology of..... 82, 418
- Limnology, of lakes on leveed
floodplain..... 82
of prairie lakes..... 418
- Liriodendron tulipifera*, distribution,
N. Y..... 397
- Liverworts, phytogeography..... 257
- Locomotor activity, grasshopper..... 58
- Lumbricidae, homoeosis in..... 452
morphogenesis in..... 452
- Microtus pennsylvanicus*, sex ratio..... 519
- Mima mounds, and rodents..... 505
- Minnesota, limnology of prairie
lakes in..... 418
liverworts of..... 251
rodents, sex ratios..... 518
- Mouse, brown fat during pregnancy..... 246
- Mud Lake (Ill.) limnology of..... 82
- National Parks (western),
Salicaceae of..... 438
- New York, distribution of tulip tree in
vascular flora of..... 400
- Oklahoma, vascular flora of..... 371
- Ostracods, fresh water (S. Carolina) 111

<i>Peromyscus maniculatus</i>		Rodents, and mima mounds.....	505
<i>bairdii</i> , sex ratio of.....	518	sex ratios of.....	518
<i>gracilis</i> , sex ratio of.....	518	<i>Romalea microptera</i> , locomotor activity	58
Phytogeography, of liverworts.....	257	oxygen consumption.....	58
Pontotoc County, Oklahoma,		Salicaceae, of western National	
vascular flora of.....	373	Parks, key to.....	438
<i>Procyon lotor</i> , as host of <i>D. insignis</i>	256	Sand Lake (Ill.) limnology of.....	82
<i>Pseudanophthalmus</i> (Coleoptera)		Speciation, of cave beetles.....	167
speciation in.....	167		
<i>Pseudanophthalmus bloomi</i> n. sp.....	172	Ticks, chalcidoid parasites of.....	489
<i>boonensis</i> n. sp.....	180	Tulip tree in N. Y.....	397
<i>donaldsoni</i> n. sp.....	175		
<i>emersoni</i> n. sp.....	176	Vascular Plants (See Flora, lists of)	
<i>jeanneli</i> n. sp.....	171	<i>Verbena conata</i> nom. nov.....	344
<i>mayfieldensis</i> n. sp.....	178	<i>secunda</i> , hybr. nov.....	349
<i>shilohensis</i> n. sp.....	178	<i>ferax</i> hybr. nov.....	349
<i>youngii</i> n. sp.....	175	Verbenaceae, hybrids of.....	333
<i>Pseudobythocypris periformis</i> n. sp.....	122	species of.....	333
<i>Pseudohomoecsis</i> , in <i>Eisenia foetida</i>	457		
Rhythms, locomotor activity in		Welaka Reserve (Florida) ants of.....	1
grasshopper.....	58	<i>Zapus hudsonius</i> , sex ratio of.....	518
Oxygen consumption in grasshopper	58		

AUTHOR INDEX

Adams, Thomas.....	254	Lowe, Mildred E.....	58
Bailey, Virginia Long.....	438	MacLeod, Charles F.....	518
Beer, James R.....	518	McCoy, Doyle Allen.....	371
Brown, Jerram L.....	477	Moldenke, Harold N.....	333
Cheng, Thomas C.....	67	Prasad, Raghu R.....	465
Dence, Wilford A.....	511	Quarashi, M. S.....	489
Dorris, Troy C.....	82	Reed, H. B., Jr.....	213
Ferguson, Edward, Jr.....	111	Rice, Nolan E.....	525
Fingerman, Milton.....	58	Rothbard, Morton John.....	246
Frenzel, Louis D.....	518	Russell, Norman H.....	138
Gates, G. E.....	452	Scheffer, Victor B.....	505
Hiestand, William A.....	254	Schuster, Rudolf M.....	257
Ingelsby, Brice.....	397	Shaver, Robert H.....	120
Jackson, Daniel F.....	511	Shaw, Richard J.....	146
Krekeler, Carl H.....	167	Van Pelt, Arnold F., Jr.....	1
Lago, Argimiro D.....	58	Wilson, John N.....	418
		Wilson, William D.....	256
		Winn, Howard E.....	190